

SECTION 2. FORMS PTO/SB/08A and 08B (formerly Form PTO-1449)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Alexander et al. Attorney Docket: 3104/105
 Serial No: 09/882,363 Art Group Unit: 3736
 Date Filed: July 15, 2001 Examiner Name: Foreman, Jonathan
 Invention: Assessing the Condition of a Joint and Preventing Damage



LIST OF PATENTS AND PUBLICATIONS FOR
 APPLICANT'S INFORMATION DISCLOSURE STATEMENT

U.S. PATENT DOCUMENTS					
Examiner Initials	Reference Number	Document Number	Issue Date	Inventor	Class/Subclass
	BK	US 3,798,679	Mar. 26, 1974	Ewald	3/1
	BL	US 4,052,753	Oct. 11, 1977	Dedo	3/1
	BM	US 4,055,862	Nov. 1, 1977	Farling	3/1.91
	BN	US 4,085,466	Apr. 25, 1978	Goodfellow et al.	3/1.91
	BO	US 4,203,444	May 20, 1980	Bonnell et al.	128/276
	BP	US 4,219,893	Sep. 2, 1980	Noiles	3/1.911
	BQ	US 4,340,978	Jul. 27, 1982	Buechel et al.	3/1.911
	BR	US 4,364,389	Dec. 21, 1982	Keller	128/303R
	BS	US 4,436,684	Mar. 13, 1984	White	264/138
	BT	US 4,459,985	Jul. 17, 1984	McKay et al.	128/303R
	BU	US 4,501,266	Feb. 26, 1985	McDaniel	128/69
	BV	US 4,502,161	Mar. 5, 1985	Wall	3/1.91
	BW	US 4,586,496	May 6, 1986	Keller	128/92E
	BX	US 4,601,290	Jul. 22, 1986	Effron et al.	128/305
	BY	US 4,609,551	Sep. 2, 1986	Caplan et al.	424/95
	BZ	US 4,627,853	Dec. 9, 1986	Campbell et al.	623/16
	CA	US 4,673,409	Jun. 16, 1987	Van Kampen	623/23
	CB	US 4,714,472	Dec. 22, 1987	Averill et al.	623/20
	CC	US 4,714,474	Dec. 22, 1987	Brooks, Jr. et al.	623/20
	CD	US 4,721,104	Jan. 26, 1988	Kaufman et al.	128/92
	CE	US 4,769,040	Sep. 6, 1988	Wevers	623/20
	CF	US 4,841,975	Jun. 27, 1989	Woolson	128/653
	CG	US 4,846,835	Jul. 11, 1989	Grande	623/11
	CH	US 4,865,607	Sep. 12, 1989	Witzel et al.	623/20
	CI	US 4,880,429	Nov. 14, 1989	Stone	623/18
	CJ	US 4,888,021	Dec. 19, 1989	Forte et al.	623/20
	CK	US 5,002,547	Mar. 26, 1991	Poggie et al.	606/88
	CL	US 5,021,061	Jun. 4, 1991	Wevers et al.	623/20

Applicants: Alexander et al.

Attorney Docket: 3104/105

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U.S. PATENT DOCUMENTS					
Examiner Initials	Reference Number	Document Number	Issue Date	Inventor	Class/Subclass
	CM	US 5,041,138	Aug. 20, 1991	Vacanti et al.	623/16
	CN	US 5,059,216	Oct. 22, 1991	Winters	623/20
	CO	US 5,067,964	Nov. 26, 1991	Richmond et al.	623/18
	CP	US 5,133,759	Jul. 28, 1992	Turner	623/20
	CQ	US 5,147,365	Sep. 15, 1992	Whitlock et al.	606/88
	CR	US 5,171,322	Dec. 15, 1992	Kenny	623/18
	CS	US 5,197,985	Mar. 30, 1993	Caplan et al.	623/16
	CT	US 5,226,914	Jul. 13, 1993	Caplan et al.	623/16
	CU	US 5,234,433	Aug. 10, 1993	Bert et al.	606/88
	CV	US 5,246,530	Sep. 21, 1993	Bugle et al.	156/643
	CW	US 5,250,050	Oct. 5, 1993	Poggie et al.	606/79
	CX	US 5,258,032	Nov. 2, 1993	Bertin	623/20
	CY	US 5,270,300	Dec. 14, 1993	Hunziker	514/12
	CZ	US 5,274,565	Dec. 28, 1993	Reuben	364/474.24
	DA	US 5,306,311	Apr. 26, 1994	Stone et al.	623/18
	DB	US 5,314,478	May 24, 1994	Oka et al.	623/18
	DC	US 5,314,482	May 24, 1994	Goodfellow et al.	623/20
	DD	US 5,329,924	Jul. 19, 1994	Bonutti	128/653.1
	DE	US 5,344,459	Sep. 6, 1994	Swartz	623/18
	DF	US 5,360,446	Nov. 1, 1994	Kennedy	623/16
	DG	US 5,368,858	Nov. 29, 1994	Hunziker	424/423
	DH	US 5,380,332	Jan. 10, 1995	Ferrante	606/79
	DI	US 5,387,216	Feb. 5, 1995	Thornhill et al.	606/88
	DJ	US 5,468,787	Nov. 21, 1995	Braden et al.	523/113
	DK	US 5,474,559	Dec. 12, 1995	Bertin et al.	606/89
	DL	US 5,507,820	Apr. 16, 1996	Pappas	623/20
	DM	US 5,510,121	Apr. 23, 1996	Rhee et al.	424/520
	DN	US 5,522,900	Jun. 4, 1996	Hollister	623/18
	DO	US 5,533,519	Jul. 9, 1996	Radke et al.	128/777
	DP	US 5,540,696	Jul. 30, 1996	Booth, Jr. et al.	606/88
	DQ	US 5,542,947	Aug. 6, 1996	Treacy	606/88
	DR	US 5,549,690	Aug. 27, 1996	Hollister et al.	623/21
	DS	US 5,554,190	Sep. 10, 1996	Draenert	623/16

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Examiner Initials	Reference Number	Document Number	Issue Date	Inventor	Class/Subclass
	DT	US 5,556,432	Sep. 17, 1996	Kubein-Meesenburg et al.	623/20
	DU	US 5,562,094	Oct. 8, 1996	Bonutti	128/653.1
	DV	US 5,575,793	Nov. 19, 1996	Carls et al.	606/80
	DW	US 5,578,037	Nov. 26, 1996	Sanders et al.	606/80
	DX	US 5,591,165	Jan. 7, 1997	Jackson	606/61
	DY	US 5,597,379	Jan. 28, 1997	Haines et al.	606/80
	DZ	US 5,601,563	Feb. 11, 1997	Burke et al.	606/86
	EA	US 5,616,146	Apr. 1, 1997	Murray	606/80
	EB	US 5,632,745	May 27, 1997	Schwartz	606/75
	EC	US 5,649,929	Jul. 22, 1997	Callaway	606/88
	ED	US 5,671,741	Sep. 30, 1997	Lang et al.	128/653.2
	EE	US 5,681,354	Oct. 28, 1997	Eckhoff	623/20
	EF	US 5,683,466	Nov. 4, 1997	Vitale	623/18
	EG	US 5,683,470	Nov. 4, 1997	Johnson et al.	623/20
	EH	US 5,687,210	Nov. 11, 1997	Maitrejean et al.	378/57
	EI	US 5,702,463	Dec. 30, 1997	Pothier et al.	623/20
	EJ	US 5,723,331	Mar. 3, 1997	Tubo et al.	435/366
	EK	US 5,728,162	Mar. 17, 1998	Eckhoff	623/20
	EL	US 5,749,874	May 12, 1998	Schwartz	606/75
	EM	US 5,768,134	Jun. 16, 1998	Swaelens, et al.	364/468.28
	EN	US 5,769,899	Jun. 23, 1998	Schwartz et al.	623/18
	EO	US 5,786,217	Jul. 28, 1998	Tubo et al.	435/402
	EP	US 5,788,701	Aug. 4, 1998	McCue	606/88
	EQ	US 5,824,102	Oct. 20, 1998	Buscayret	623/20
	ER	US 5,827,289	Oct. 27, 1998	Reiley et al.	606/86
	ES	US 5,832,422	Nov. 3, 1998	Wiedenhoefer	702/154
	ET	US 5,835,619	Nov. 10, 1998	Morimoto et al.	382/132
	EU	US 5,842,477	Dec. 1, 1998	Naughton et al.	128/898
	EV	US 5,861,175	Jan. 19, 1999	Walters et al.	424/486
	EW	US 5,871,540	Feb. 16, 1999	Weissman et al.	623/20
	EX	US 5,871,542	Feb. 16, 1999	Goodfellow et al.	623/20
	EY	US 5,871,546	Feb. 16, 1999	Colleran et al.	623/20

Applicants: Alexander et al.

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Examiner Initials	Reference Number	Document Number	Issue Date	Inventor	Class/Subclass
	EZ	US 5,879,390	Mar. 9, 1999	Kubein-Meesenburg et al.	623/20
	FA	US 5,900,245	May 4, 1999	Sawhney et al.	424/426
	FB	US 5,906,934	May 25, 1999	Grande et al.	435/325
	FC	US 5,911,723	Jun. 15, 1999	Ashby et al.	606/88
	FD	US 5,939,323	Aug. 17, 1999	Valentini et al.	435/395
	FE	US 5,972,385	Oct. 26, 1999	Liu et al.	424/486
	FF	US 6,007,537	Dec. 28, 1999	Burkinshaw et al.	606/66
	FG	US 6,010,509	Jan. 4, 2000	Delgado et al.	606/88
	FH	US 6,044,289	Mar. 28, 2000	Bonutti	600/415
	FI	US 6,046,379	Apr. 4, 2000	Stone et al.	623/11
	FJ	US 6,056,754	May 2, 2000	Haines et al.	606/80
	FK	US 6,056,756	May 2, 2000	Eng et al.	606/87
	FL	US 6,074,352	Jun. 13, 2000	Hynynen et al.	601/3
	FM	US 6,081,577	Jun. 27, 2000	Webber	378/23
	FN	US 6,082,364	Jul. 4, 2000	Balian et al.	128/898
	FO	US 6,090,144	Jul. 18, 2000	Letot et al.	623/20
	FP	US 6,093,204	Jul. 25, 2000	Stone	623/14.12
	FQ	US 6,106,529	Aug. 22, 2000	Techiera	606/88
	FR	US 6,110,209	Aug. 29, 2000	Stone	623/16.11
	FS	US 6,112,109	Aug. 29, 2000	D'Urso	600/407
	FT	US 6,120,541	Sep. 19, 2000	Johnson	623/14.12
	FU	US 6,126,690	Oct. 3, 2000	Ateshian et al.	623/18
	FV	US 6,139,578	Oct. 31, 2000	Lee et al.	623/16.11
	FW	US 6,141,579	Oct. 31, 2000	Bonutti	600/415
	FX	US 6,146,422	Nov. 14, 2000	Lawson	623/17.16
	FY	US 6,165,221	Dec. 26, 2000	Schmotzer	623/20.11
	FZ	US 6,171,340	Jan. 9, 2001	McDowell	623/18.11
	GA	US 6,178,225	Jan. 23, 2001	Zur et al.	378/98.2
	GB	US 6,200,606	Mar. 13, 2001	Peterson et al.	424/574
	GC	US 6,203,576	Mar. 20, 2001	Afriat et al.	623/20.27
	GD	US 6,206,927	Mar. 27, 2001	Fell et al.	623/20.29
	GE	US 6,214,369	Apr. 10, 2001	Grande et al.	424/423

Applicants: Alexander et al.

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Examiner Initials	Reference Number	Document Number	Issue Date	Inventor	Class/Subclass
	GF	US 6,217,894	Apr. 17, 2001	Sawhney et al.	424/426
	GG	US 6,219,571	Apr. 17, 2001	Hargreaves et al.	600/410
	GH	US 6,277,151	Aug. 21, 2001	Lee et al.	623/23.61
	GI	US 6,281,195	Aug. 28, 2001	Rueger et al.	514/21
	GJ	US 6,283,980	Sep. 4, 2001	Vibe-Hansen et al.	606/151
	GK	US 6,289,115	Sep. 11, 2001	Takeo	382/130
	GL	US 6,296,646	Oct. 2, 2001	Williamson	606/90
	GM	US 6,299,905	Oct. 9, 2001	Peterson et al.	424/486
	GN	US 6,302,582	Oct. 16, 2001	Nord et al.	378/207
	GO	US 6,311,083	Oct. 30, 2001	Abraham-Fuchs et al.	600/407
	GP	US 6,319,712	Nov. 20, 2001	Meenen et al.	435/395
	GQ	US 6,328,765	Dec. 11, 2001	Hardwick et al.	623/23.72
	GR	US 6,334,006	Dec. 25, 2001	Tanabe	385/12
	GS	US 6,344,043	Feb. 5, 2002	Pappas	606/96
	GT	US 6,344,059	Feb. 5, 2002	Krakovits et al.	623/20.31
	GU	US 6,352,558	Mar. 5, 2002	Spector	623/18.11
	GV	US 6,358,253	Mar. 19, 2002	Torrie et al.	606/96
	GW	US 6,371,958	Apr. 16, 2002	Overaker	606/72
	GX	US 6,375,658	Apr. 23, 2002	Hangody et al.	606/80
	GY	US 6,379,367	Apr. 30, 2002	Vibe-Hansen et al.	606/151
	GZ	US 6,379,388	Apr. 30, 2002	Ensign et al.	623/20.34
	HA	US 6,383,228	May 7, 2002	Schmotzer	623/23.35
	HB	US 6,405,068	Jun. 11, 2002	Pfander et al.	600/407
	HC	US 6,429,013	Aug. 6, 2002	Halvorsen et al.	435/377
	HD	US 6,443,988	Sep. 3, 2002	Felt et al.	623/17.12
	HE	US 6,444,222	Sep. 3, 2002	Asculai et al.	424/484
	HF	US 6,459,948	Oct. 1, 2002	Ateshian et al.	700/117
	HG	US 6,468,314	Oct. 22, 2002	Schwartz et al.	623/23.72
	HH	US 6,478,799	Nov. 12, 2002	Williamson	606/90
	HI	US 6,479,996	Nov. 12, 2002	Hoogeveen et al.	324/309
	HJ	US 6,494,914	Dec. 17, 2002	Brown et al.	623/20.3
	HK	US 6,503,280	Jan. 7, 2003	Repicci	623/20.14
	HL	US 6,510,334	Jan. 21, 2003	Schuster et al.	600/407

Applicants: Alexander et al.

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Examiner Initials	Reference Number	Document Number	Issue Date	Inventor	Class/Subclass
	HM	US 6,520,964	Feb. 18, 2003	Tallarida et al.	396/567
	HN	US 6,556,855	Apr. 29, 2003	Thesen	600/419
	HO	US 6,558,421	May 6, 2003	Fell et al.	623/14.12
	HP	US 6,575,986	Jun. 10, 2003	Overaker	606/151
	HQ	US 6,585,666	Jul. 1, 2003	Suh et al.	600/587
	HR	US 6,620,168	Sep. 16, 2003	Lombardo et al.	606/88
	HS	US 6,623,526	Sep. 23, 2003	Lloyd	623/20.28
	HT	US 6,632,235	Oct. 14, 2003	Weikel et al.	606/192
	HU	US 6,652,587	Nov. 25, 2003	Felt et al.	623/20.16
	HV	US 6,679,917	Jan. 20, 2004	Ek	623/20.14
	HW	US 6,689,139	Feb. 10, 2004	Horn	606/87
	HX	US 6,690,761	Feb. 10, 2004	Lang et al.	378/56
	HY	US 6,690,816	Feb. 10, 2004	Aylward et al.	382/128
	HZ	US 6,702,821	Mar. 9, 2004	Bonutti	606/88
	IA	US 6,712,856	Mar. 30, 2004	Carignan, et al.	623/20.35
	IB	US 6,726,724	Apr. 27, 2004	Repicci	623/20.29
	IC	US 6,743,232	Jun. 1, 2004	Overaker et al.	606/72
	ID	US 6,770,099	Aug. 3, 2004	Andriacchi et al.	623/20.35
	ID.1	US 6,799,066	Sep. 28, 2004	Steines et al.	600/407
	ID.2	US 6,811,310	Nov. 2, 2004	Lang et al.	378/169
	ID.3	US 6,835,377	Dec. 28, 2004	Goldberg et al.	424/93.7
	IE	US 6,855,165	Feb. 15, 2005	Fell et al.	623/14.12
	IF	US 6,869,447	Mar. 22, 2005	Lee et al.	623/20.15
	IG	US 6,873,741	Mar. 29, 2005	Li	382/266
	IH	US 6,893,463	May 17, 2005	Fell et al.	623/14.12
	II	US 6,904,123	Jun. 7, 2005	Lang	378/54
	II.1	US 6,905,514	Jun. 14, 2005	Carignan et al.	623/20.35
	IJ	US 6,916,341	Jul. 12, 2005	Rolston	623/20.3
	IK	US 6,984,981	Jan. 10, 2006	Tamez-Pena et al.	324/309
	IL	US 6,998,841	Feb. 14, 2006	Tamez-Pena et al.	324/302
	IM	US 7,008,430	Mar. 7, 2006	Dong et al.	606/80
	IN	US 7,050,534	May 23, 2006	Lang	378/54
	IO	US 7,058,159	Jun. 6, 2006	Lang et al.	378/54

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Examiner Initials	Reference Number	Document Number	Issue Date	Inventor	Class/Subclass
	IP	US 7,058,209	Jun. 6, 2006	Chen et al.	382/117
	IQ	US 7,060,074	Jun. 13, 2006	Rosa et al.	606/88
	IR	US 7,104,997	Sep. 12, 2006	Lionberger et al.	606/88
	IS	US 7,115,131	Oct. 3, 2006	Engh et al.	606/79
	IT	US 7,117,027	Oct. 3, 2006	Zheng et al.	600/426
	IT.1	US 7,120,225	Oct. 10, 2006	Lang et al.	600/416
	IU	US 7,141,053	Nov. 28, 2006	Rosa et al.	606/86
	IV	US 7,184,814	Feb. 27, 2007	Lang et al.	600/416
	IW	US 7,239,908	Jul. 3, 2007	Alexander et al.	600/427
	IX	US 7,245,697	Jul. 17, 2007	Lang	378/54
	IY	US 7,282,054	Oct. 16, 2007	Steffensmeier et al.	606/96
	IZ	US 7,292,674	Nov. 6, 2007	Lang	378/54
	JA	US 7,344,540	Mar. 18, 2008	Smucker et al.	606/87
	JB	US 7,379,529	May 27, 2008	Lang	378/54
	JC	US 7,467,892	Dec. 23, 2008	Lang et al.	378/207
	JD	US 7,468,075	Dec. 23, 2008	Lang et al.	623/16.11
	JE	US 7,534,263	May 19, 2009	Burdulis, Jr. et al.	623/14.12

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Examiner Initials	Reference Number	Document Number	Publication Date	Inventor	Class/Subclass
	JF	US 2001/0001120	May 10, 2001	Masini	606/86
	JG	US 2001/0010023	Jul., 2001	Schwartz et al.	623/23.72
	JH	US 2001/0039455	Nov., 2001	Simon et al.	623/23.51
	JI	US 2001/0051830	Dec. 31, 2001	Tuke et al.	623/22.12
	JJ	US 2002/0013626	Jan., 2002	Geistlich et al.	623/23.57
	JK	US 2002/0029038	Mar. 7, 2002	Haines	606/54
	JL	US 2002/0045940	Apr., 2002	Giannetti et al.	623/11.11
	JM	US 2002/0049382	Apr. 25, 2002	Suh et al.	600/449
	JN	US 2002/0059049	May, 2002	Bradbury et al.	703/11
	JO	US 2002/0067798	Jun. 6, 2002	Lang et al.	378/54
	JP	US 2002/0068979	Jun., 2002	Brown et al.	623/20.3

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	JQ	US 2002/0082703	Jun., 2002	Repicci	623/20.29
	JR	US 2002/0106625	Aug. 8, 2002	Hung et al.	435/1.1
	JS	US 2002/0114425	Aug. 22, 2002	Lang	378/56
	JT	US 2002/0115647	Aug., 2002	Halvorsen et al.	514/171
	JU	US 2002/0120274	Aug., 2002	Overaker et al.	606/72
	JV	US 2002/0120281	Aug., 2002	Overaker	606/151
	JW	US 2002/0127264	Sep. 12, 2002	Felt et al.	424/423
	JX	US 2002/0133230	Sep., 2002	Repicci	623/14.12
	JY	US 2002/0151986	Oct., 2002	Asculai et al.	424/484
	JZ	US 2002/0156150	Oct., 2002	Asculai et al.	623/23.75
	KA	US 2002/0177770	Nov. 28, 2002	Lang et al.	600/410
	KB	US 2002/0183850	Dec., 2002	Felt et al.	623/20.16
	KC	US 2002/0186818	Dec. 12, 2002	Arnaud et al.	378/165
	KD	US 2003/0028196	Feb. 6, 2003	Bonutti	606/87
	KE	US 2003/0031292	Feb. 13, 2003	Lang	378/54
	KF	US 2003/0055500	Mar., 2003	Fell et al.	623/14.12
	KG	US 2003/0055501	Mar., 2003	Fell et al.	623/14.12
	KH	US 2003/0055502	Mar. 20, 2003	Lang et al.	623/16.11
	KI	US 2003/0060882	Mar., 2003	Fell et al.	623/14.12
	KJ	US 2003/0060883	Mar., 2003	Fell et al.	623/14.12
	KK	US 2003/0060884	Mar., 2003	Fell et al.	623/14.12
	KL	US 2003/0060885	Mar., 2003	Fell et al.	623/14.12
	KM	US 2003/0063704	Apr. 3, 2003	Lang	378/54
	KN	US 2003/0100907	May 29, 2003	Rosa et al.	606/86
	KO	US 2003/0100953	May, 2003	Rosa et al.	623/20.3
	KP	US 2003/0158558	Aug. 21, 2003	Horn	606/87
	KQ	US 2003/0158606	Aug. 21, 2003	Coon et al.	623/20.15
	KR	US 2003/0163137	Aug. 28, 2003	Smucker et al.	606/87
	KS	US 2003/0225457	Dec., 2003	Justin et al.	623/20.14
	KT	US 2003/0236521	Dec. 25, 2003	Brown et al.	606/80
	KU	US 2004/0062358	Apr. 1, 2004	Lang et al.	378/207
	KV	US 2004/0081287	Apr. 29, 2004	Lang et al.	378/210
	KV.1	US 2004/0098132	May 20, 2004	Andriacchi et al.	623/20.35

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APPLICANT'S INFORMATION DISCLOSURE STATEMENT**

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	KW	US 2004/0098133	May 20, 2004	Carignan et al.	623/20.35
	KX	US 2004/0102852	May, 2004	Johnson et al.	623/20.15
	KY	US 2004/0106868	Jun. 3, 2004	Liew et al.	600/442
	KZ	US 2004/0122521	Jun., 2004	Lee et al.	623/20.15
	LA	US 2004/0133276	Jul. 8, 2004	Lang et al.	623/14.12
	LB	US 2004/0138754	Jul. 15, 2004	Lang et al.	623/20.14
	LC	US 2004/0147927	Jul. 29, 2004	Tsougarakis et al.	606/53
	LD	US 2004/0153079	Aug. 5, 2004	Tsougarakis et al.	606/77
	LE	US 2004/0153162	Aug., 2004	Sanford et al.	623/20.3
	LF	US 2004/0153164	Aug., 2004	Sanford et al.	623/20.29
	LG	US 2004/0167390	Aug. 26, 2004	Alexander et al.	600/410
	LH	US 2004/0167630	Aug., 2004	Rolston	623/20.14
	LI	US 2004/0193280	Sep., 2004	Webster et al.	623/20.33
	LJ	US 2004/0204644	Oct. 14, 2004	Tsougarakis et al.	600/410
	LK	US 2004/0204760	Oct. 14, 2004	Fitz et al.	623/14.12
	LL	US 2004/0242987	Dec. 2, 2004	Liew et al.	600/407
	LM	US 2004/0249386	Dec. 9, 2004	Faoro	606/88
	LN	US 2005/0010106	Jan. 13, 2005	Lang et al.	600/425
	LO	US 2005/0015153	Jan., 2005	Goble et al.	623/23.46
	LP	US 2005/0021039	Jan. 27, 2005	Cusick et al.	606/88
	LQ	US 2005/0043807	Feb., 2005	Wood	623/20.14
	LR	US 2005/0055028	Mar. 10, 2005	Haines	606/79
	LS	US 2005/0078802	Apr. 14, 2005	Lang et al.	387/207
	LT	US 2005/0107883	May 19, 2005	Goodfried et al.	623/20.15
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	LW	US 2005/0119751	Jun. 2, 2005	Lawson	623/17.16
	LX	US 2005/0143745	Jun. 30, 2005	Hodorek et al.	606/87
	LY	US 2005/0148843	Jul. 7, 2005	Roose	600/407
	LZ	US 2005/0148860	Jul. 7, 2005	Liew et al.	600/410
	MA	US 2005/0171612	Aug. 4, 2005	Rolston	623/20.19
	MB	US 2005/0226374	Oct. 13, 2005	Lang et al.	378/54
	MC	US 2005/0267584	Dec. 1, 2005	Burdulis et al.	623/20.19

Applicants: Alexander et al.

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	MF	US 2006/0111722	May 25, 2006	Bouadi	606/79
	MG	US 2006/0111726	May 25, 2006	Felt et al.	606/86
	MH	US 2006/0136067	Jun. 22, 2006	Pendleton et al.	623/20.34
	MI	US 2006/0184176	Aug. 17, 2006	Straszheim-Morley et al.	606/88
	MJ	US 2006/0195196	Aug. 31, 2006	Pendleton et al.	623/20.34
	MK	US 2006/0200162	Sep. 7, 2006	Farling et al.	606/88
	ML	US 2006/0210017	Sep. 21, 2006	Lang	378/54
	MM	US 2006/0210018	Sep. 21, 2006	Lang	378/54
	MN	US 2006/0235421	Oct. 19, 2006	Rosa et al.	606/88
	MO	US 2007/0015995	Jan. 18, 2007	Lang	600/407
	MP	US 2007/0047794	Mar. 1, 2007	Lang et al.	378/132
	MQ	US 2007/0067032	Mar. 22, 2007	Felt et al.	623/14.12
	MR	US 2007/0073305	Mar. 29, 2007	Lionberger et al.	606/87
	MS	US 2007/0083266	Apr. 12, 2007	Lang	623/17.11
	MT	US 2007/0100462	May 3, 2007	Lang et al.	623/20.29
	MU	US 2007/0118141	May 24, 2007	Marchyn et al.	606/88
	MV	US 2007/0156171	Jul. 5, 2007	Lang et al.	606/205
	MW	US 2007/0203430	Aug. 30, 2007	Lang et al.	600/587
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	MZ	US 2007/0274444	Nov. 29, 2007	Lang	378/54
	NA	US 2007/0276224	Nov. 29, 2007	Lang et al.	600/410
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Applicants: Alexander et al.

Attorney Docket: 3104/105

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	NK	US 2008/0243127	Oct. 2, 2008	Lang et al.	606/87
	NL	US 2008/0275452	Nov. 6, 2008	Lang et al.	606/88
	NM	US 2008/0281328	Nov. 13, 2008	Lang et al.	606/87
	NN	US 2008/0281329	Nov. 13, 2008	Fitz et al.	623/17.16
	NO	US 2008/0281426	Nov. 13, 2008	Fitz et al.	623/17.16
	NP	US 2009/0076371	Mar. 19, 2009	Lang et al.	600/407
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	NT	CN	86209787	Nov. 18, 1987	Yu Yekuan	A61F 2/38
	NU	CN	86209787 (English Abstract)	Nov. 18, 1987	Yu Yekuan	A61F 2/38
	NV	JP	1-249049	Oct., 1989	Noda Iwao	A61F 2/38
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Attorney Docket: 3104/105

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	OF	DE	19803673 (See Reference GP)	Aug. 5, 1999	Meenen	A61L 27/54
	OG	DE	19926083	Dec. 14, 2000	Universitätsklinikum Freiburg	A61L 27/54
	OH	DE	19926083 (English Abstract)	Dec. 14, 2000	Universitätsklinikum Freiburg	A61L 27/54
	OI	DE	10055465	May 23, 2002	BLZ GmbH	A61L 24/00
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	OK	DE	102006037067	Feb. 14, 2008	Metoxit AG	C04B 41/87
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	OM	FR	2589720	Nov., 1985	Aubaniac	A61F 2/38
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	OO	FR	2740326	Apr., 1997	Les Laboratoires Osteal Medical Societe Anonyme	A61F 2/38
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	PE	EP	0732091	Dec., 2001	Pappas	A61F 2/38
	PF	EP	0780090	Jun., 1997	Johnson & Johnson Professional Inc.	A61B 17/16
	PG	EP	0814731	Aug., 2002	Schwartz et al.	A61F 2/30
	PH	EP	0833620	Oct., 2002	Yayon et al.	A61K 9/22
	PI	EP	0809987	Oct., 2002	Ashby et al.	A61F 2/38
	PJ	EP	0896825	Jul., 2002	Atkinson et al.	A61L 27/00
	PK	EP	1070487	Sep., 2005	Ethicon, Inc.	A61F 2/08
	PL	EP	1074229	Feb. 7, 2001	Schuster	A61F 2/38
	PM	EP	1074229 (English Translation)	Feb. 7, 2001	Schuster	A61F 2/38
	PN	EP	1077253	Feb., 2001	Zen Bio, Inc.	C12N 5/00
	PO	EP	1120087	Aug. 1, 2001	DePuy Orthopaedics, Inc.	A61B 17/06
	PP	EP	1129675	Sep. 5, 2001	Ethicon, Inc.	A61F 2/30
	PQ	EP	1132061	Sep. 12, 2001	Zimmer Technology, Inc.	A61F 2/28
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Applicants: Alexander et al.

Attorney Docket: 3104/105

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	PT	EP	1234555	Aug. 28, 2002	Ethicon, Inc.	A61F 2/30
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	PU	EP	1550416	Jul. 6, 2005	DePuy Products, Inc.	A61B 17/15
	PV	EP	1550418	Oct. 11, 2006	Zimmer Technology, Inc.	A61F 2/30
	PW	EP	1550419	Feb. 21, 2007	Zimmer Technology, Inc.	A61F 2/30
	PX	EP	1683593	Jul. 26, 2006	Howmedica Osteonics, Corp.	B22F 3/105
	PY	WO	87/02882	May 21, 1987	Aubaniac et al.	A61F 2/38
	PZ	WO	87/02882 (English Translation)	May 21, 1987	Aubaniac et al.	A61F 2/38
	QA	WO	90/009769	Sep., 1990	Regen Corporation	A61F 2/28
	QB	WO	93/004710	Mar., 1993	Shaw	A61L 25/00
	QC	WO	93/009819	May, 1993	Braden et al.	A61L 27/00
	QD	WO	93/025157	Dec., 1993	Radermacher	A61B 17/56
	QE	WO	95/027450	Oct., 1995	Corin Medical Limited	A61F 2/38
	QF	WO	95/028688	Oct., 1995	Materialise	G06T 15/00
	QG	WO	95/030390	Nov., 1995	Ysebaert S.A.	A61F 2/38
	QH	WO	95/032623	Dec., 1995	Regen Biologics, Inc.	A01N 1/02
	QI	WO	96/024302	Aug., 1996	Schwartz	A61B 17/90
	QJ	WO	96/025123	Aug., 1996	Smith & Nephew Richards Inc.	A61F
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	QO	WO	98/008469	Mar. 5, 1998	VTI Holdings, Ltd.	A61F 2/30
	QP	WO	98/030617	Jul., 1998	Smith & Nephew PLC	C08G 63/12
	QQ	WO	98/052498	Nov. 26, 1998	Jansson et al.	A61F 2/28
	QR	WO	99/002654	Jan., 1999	DePuy Orthopaedics, Inc.	C12N 5/00
	QS	WO	99/008728	Feb., 1999	Sulzer Inotec AG	A61L 27/00
	QT	WO	99/042061	Aug., 1999	Krehl	A61F 2/38
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	QV	WO	99/051719	Oct., 1999	Tissue Engineering, Inc.	C12M 3/00
	QW	WO	99/056674	Nov., 1999	Weiss	A61F 2/36
	QX	WO	00/009179	Feb., 2000	Verigan Transplantation Service International AG	A61L 25/00
	QY	WO	00/035346	Jun., 2000	Stanford University	A61B 5/11
	QZ	WO	00/048550	Aug., 2000	Sulzer Biologics, Inc.	A61K
	RA	WO	00/059411	Oct. 12, 2000	Fell et al.	A61F 2/38
	RB	WO	00/068749	Nov. 16, 2000	3DI GmbH	G05B 19/4099
	RC	WO	00/074554	Dec., 2000	Matrix Biotechnologies, Inc.	A61B
	RD	WO	00/074741	Dec. 14, 2000	Universitätsklinikum Freiberg	A61L 27/00
	RE	WO	01/010356	Feb., 2001	Novarticulate Holdings Limited	A61F 2/46
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Applicants: Alexander et al.

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	RH	WO	01/035968	May, 2001	Children's Medical Center Corporation	A61K 35/00
	RI	WO	01/045764	Jun. 28, 2001	Verigen Transplantation Service International AG	A61L 27/36
	RJ	WO	01/068800	Sep. 20, 2001	Trustees of Columbia University, NY	C12M 3/00
	RK	WO	01/070142	Sep. 27, 2001	Kinamed, Inc.	A61F 2/38
	RL	WO	01/077988	Oct. 18, 2001	Therics, Inc.	G06F 19/00
	RM	WO	01/082677	Nov. 8, 2001	STD Manufacturing, Inc.	Not Classified
	RN	WO	01/091672	Dec. 6, 2001	Simon et al.	A61F 2/36
	RO	WO	02/022013	Mar. 21, 2002	Leland Stanford Junior University	A61B 5/55
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	RQ	WO	02/034310	May 2, 2002	SDGI Holdings, Inc.	A61L 31/04
	RR	WO	02/036147	May 10, 2002	Orquest, Inc.	A61K 31/04
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	RT	WO	03/007788	Jan. 30, 2003	DePuy Products, Inc.	A61B
	RU	WO	03/028566	Apr. 10, 2003	Stryker Spine	A61B 17/70
	RV	WO	03/047470	Jun. 12, 2003	Impliant Ltd	A61F 2/34
	RW	WO	03/051210	Jun. 26, 2003	Arthrosurface, Inc.	A61B 17/58
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	SA	WO	04/047688	Jun. 10, 2004	Juridicial Foundation Osaka Industrial Promotion Organization	A61F 2/30
	SB	WO	04/049981	Jun. 17, 2004	Imaging Therapeutics, Inc.	A61F 2/46
	SC	WO	04/073550	Sep. 2, 2004	Murray	A61F
	SD	WO	05/016175	Feb. 24, 2005	Advanced Bio Surfaces, Inc.	A61F
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	SG	WO	06/060795	Jun. 8, 2006	ConforMIS, Inc.	A61B 17/17
	SH	WO	06/127283	Nov. 30, 2006	Zimmer Technology, Inc.	A61B 17/17
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Attorney Docket: 3104/105

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Invention: Assessing the Condition of a Joint and Preventing Damage

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APPLICANT'S INFORMATION DISCLOSURE STATEMENT**

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	TC	Henderson et al.	"Experience with the Use of the Macintosh Prosthesis in Knees of Patients with Pheumatoid Arthritis," South. Med. J. 62(11):1311-1315 (1969)
	TD	Jessop et al.	"Follow-up of the MacIntosh Arthroplasty of the Knee Joint," Rheumatol Phys. Med. 11(5):217-224 (1972)
	TE	Kates, et al.	"Experiences of Arthroplasty of the Rheumatoid Knee Using MacIntosh Prostheses," Ann. Rheum. Dis. 28(3):328 (1969)
	TF	Kay et al.	The MacIntosh Tibial Plateau Hemiprosthesis for the Rheumatoid Knee," J. Bone Joint Surg. Br. 54(2):256-262 (1972)
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Applicants: Alexander et al.

Attorney Docket: 3104/105

Serial No: 09/882,363

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Date Filed: June 15, 2001

Examiner Name: Foreman, Jonathan

Invention: Assessing the Condition of a Joint and Preventing Damage

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OTHER DOCUMENTS			
Examiner Initials	Reference Number	Author	Title of Article, Title of Journal, Volume Number, Page Numbers, Date
	TH	Kiryati	"On Length Estimators, Distance Transformations and Digital Lines in Three Dimensions," Progress in Image Analysis and Processing III, Proc. Of the 7th International Conference in Image Analysis and Processing, Capri, Italy, pp. 22-29 (1993)
	TI	Lam et al.	"X-RAY DIAGNOSIS: A Physician's Approach", Editor Lam, 1998, Springer-Verlag publishers, Title page and Table of Contents pgs. Only (ISBN 9813083247)
	TJ	Leenslag et al.	"A Porous Composite for Reconstruction of Meniscus Lesions," Biological and Biomechanical Perform. of Biomaterials, Elsevier Science Publishers Amsterdam pp. 147-152 (1986)
	TK	MacIntosh	"Arthroplasty Of The Knee In Rheumatoid Arthritis," Proceedings and Reports of Councils and Associations, J. Bone & Joint Surg., Vol. 48B No. (1): 179 (Feb. 1996)
	TL	MacIntosh et al.	"The Use of the Hemiarthroplasty Prosthesis for Advanced Osteoarthritis and Rheumatoid Arthritis of the Knee," J. of Bone & Joint Surg., Vol. 54B, No. 2, pp. 244-255 (1972)
	TM	MacIntosh	"Arthroplasty of the Knee in Rheumatoid Arthritis Using the Hemiarthroplasty Prosthesis," Synovectomy and Arthroplasty in Rheumatoid Arthritis pp. 79-80, Second Int'l. Symposium, Jan. 27-29, 1967 (Basle, Switzerland)
	TN	MacIntosh	"Hemiarthroplasty of the Knee Using a Space Occupying Prosthesis for Painful Varus and Valgus Deformities," J. Bone Joint Surg. Am. 1958 Dec:40-A:1431
	TO	Matsen, III et al.	"Robotic Assistance in Orthopaedic Surgery: A Proof of Principle Using Distal Femoral Arthroplasty", Clinical Ortho. and Related Research, 296:178-186 (1993)

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	TQ	McKeever	"The Classic Tibial Plateau Prosthesis," Clin. Orthop. Relat. Res. (192):3-12 (1985)
	TR	Nelson et al.	"Arthroplasty and Arthrodesis of the Knee Joint," Orthop. Clin. North Am. 2 (1): 245-64 (1971)
	TS	Nishii et al.	"Three Dimensional Evaluation Of The Acetabular And Femoral Articular Cartilage In The Osteoarthritis Of The Hip Joint," Proc. Intl. Soc. Mag. Resonance Med., 7:1030 (1999)
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	TY	Ragnemalm	"The Euclidean Distance Transform in Arbitrary Dimensions," Pattern Recognition Letters, North-Holland, Vol. 14, No. 11, pp. 883-888 (Nov. 1993)
	TZ	Ranawat et al.	"MacIntosh Hemiarthroplasty in Rheumatoid Knee," Acta Orthop Belg., 39 (1): 1-11 (1973)

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	UA	Robarts Research Institute	Abstract #1028
	UB	Schorn et al.	"MacIntosh Arthroplasty in Rheumatoid Arthritis," Rheumatol Rehabil. 1978 Aug:17(3):155-163
	UC	Slone et al.	"BODY CT: A PRACTICAL APPROACH", Editor Slone, 1999 McGraw-Hill publishers, Title page and Table of Contents pgs. Only (ISBN 007058219)
	UD	Stauffer et al.	"The MacIntosh Prosthesis. Prospective Clinical and Gait Evaluation," Arch. Surg. 110(6):717-720 (1975)
	UE	Taha et al.	"Modeling And Design Of A Custom Made Cranium Implant For Large Skull Reconstruction Before A Tumor Removal", Phidias Newsletter No. 6, pgs. 3, 6, June 2001. Retrieved from the Internet: URL: http://www.materialise.com/medical/files/pdf
	UF	Tamez-Pena et al.	"MRI Isotropic Resolution Reconstruction from two Orthogonal Scans:, Proceedings of the SPIE – The International Society for Optical Engineering SOIE-OMT. Vol. 4322, pp. 87-97, 2001
	UG	Wordsworth et al.	"MacIntosh Arthroplasty for the Rheumatoid Knee: A 10-year Follow Up," Ann. Rheum. Dis. 44(11):738-741 (1985)
	UH	International Searching Authority	International Preliminary Examination Report – International Application No. PCT/US01/28679, dated August 5, 2002, 2 pages
	UI	International Searching Authority	International Search Report – International Application No. PCT/US01/28679, dated February 27, 2002, 2 pages
	UJ	International Searching Authority	International Preliminary Examination Report – International Application No. PCT/US01/28680, dated July 29, 2002, 2 pages
	UK	International Searching Authority	International Search Report – International Application No. PCT/US01/28680, dated February 27, 2002, 2 pages

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Examiner Initials	Reference Number	Author	Title of Article, Title of Journal, Volume Number, Page Numbers, Date
	UL	International Searching Authority	International Preliminary Examination Report – International Application No. PCT/US01/42155, dated January 3, 2003, 2 pages
	UM	International Searching Authority	International Search Report – International Application No. PCT/US01/42155, dated October 29, 2002, 2 pages
	UN	International Searching Authority	International Search Report – International Application No. PCT/US99/30265, dated August 2, 2000, 5 pages
	UO	International Searching Authority	International Search Report – International Application No. PCT/US03/38158, dated February 23, 2005, 7 pages
	UP	International Searching Authority	European Search Report – Application No. EP 03790194, dated July 13, 2006, 7 pages
	UQ	International Searching Authority	International Search Report – International Application No. PCT/US03/32123, dated March 17, 2004, 7 pages
	UR	International Searching Authority	International Search Report – International Application No. PCT/US04/39616, dated March 28, 2005, together with the Written Opinion of the International Searching Authority, 6 pages
	US	International Searching Authority	International Search Report – International Application No. PCT/US04/39714, dated May 13, 2005, together with the Written Opinion of the International Searching Authority, 8 pages
	UT	International Searching Authority	International Search Report – International Application No. PCT/US2005/044008, dated March 30, 2006, together with the Written Opinion of the International Searching Authority, 12 pages
	UU	International Searching Authority	International Search Report – International Application No. PCT/US2006/045172, dated April 19, 2007, 5 pages

Applicants: Alexander et al. Attorney Docket: 3104/105
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	UV	International Searching Authority	International Search Report – International Application No. PCT/US2007/061681, dated September 7, 2007, together with the Written Opinion of the International Searching Authority, 12 pages
	UW	European Patent Office	Supplementary European Search Report – Application No. 04812187.5, dated September 27, 2007, 3 pages
	UX	International Searching Authority	International Preliminary Report on Patentability – International Application No. PCT/US2005/044008, dated June 14, 2007, together with the Written Opinion of the International Searching Authority, 8 pages
	UY	United States Patent and Trademark Office	Office Action dated June 15, 2007, pertaining to Application No. 09/882,363, 9 pages
	UZ	Bromberg & Sunstein LLP	Response to Office Action dated June 15, 2007, pertaining to Application No. 09/882,363, 12 pages
	VA	United States Patent and Trademark Office	Office Action dated March 21, 2008, pertaining to Application No. 09/882,363, 12 pages
	VB	Bromberg & Sunstein LLP	Response to Office Action dated January 30, 2007, pertaining to Application No. 09/882,363, 7 pages
	VC	International Searching Authority	International Search Report – International Application No. PCT/US2008/066994, dated February 19, 2009, together with the Written Opinion of the International Searching Authority, 16 pages
	VD	Bromberg & Sunstein LLP	Amendment dated September 22, 2008, pertaining to Application No. 09/882,363, 15 pages
	VE	United States Patent and Trademark Office	Office Action dated January 6, 2009, pertaining to Application No. 09/882,363, 9 pages
	VF	Bromberg & Sunstein LLP	Request for Continued Examination dated July 6, 2009, pertaining to Application No. 09/882,363, 16 pages

Applicants: Alexander et al.

Attorney Docket: 3104/105

Serial No: 09/882,363

Art Group Unit: 3736

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Examiner Initials	Reference Number	Author	Title of Article, Title of Journal, Volume Number, Page Numbers, Date
	VG	Bromberg & Sunstein LLP	United States Patent Application – Application No. 12/361,213, filed January 28, 2009, 76 pages
	VH	Bromberg & Sunstein LLP	United States Patent Application – Application No. 12/398,753, filed March 5, 2009 141 pages
	VI	United States Patent and Trademark Office	Office Action dated January 11, 2008, pertaining to Application No. 10/724,010, 12 pages
	VJ	Bromberg & Sunstein LLP	Response to Office Action dated January 11, 2008, pertaining to Application No. 10/724,010, 14 pages
	VK	United States Patent and Trademark Office	Office Action dated May 5, 2008, pertaining to Application No. 10/724,010, 31 pages
	VL	Bromberg & Sunstein LLP	Request for Continued Examination and Response dated November 4, 2008, pertaining to Application No. 10/724,010, 15 pages
	VM	United States Patent and Trademark Office	Notice of Allowance and Fees Due dated September 22, 2009, pertaining to Application No. 10/724,010, 19 pages
	VN	United States Patent and Trademark Office	Office Action dated March 6, 2007, pertaining to Application No. 11/002,573, 16 pages
	VO	Bromberg & Sunstein LLP	Response to Office Action dated March 6, 2007, pertaining to Application No. 11/002,573, 21 pages
	VP	United States Patent and Trademark Office	Office Action dated November 26, 2007, pertaining to Application No. 11/002,573, 15 pages
	VQ	Bromberg & Sunstein LLP	Request for Continued Examination and Response dated February 27, 2008, pertaining to Application No. 11/002,573, 19 pages
	VR	United States Patent and Trademark Office	Office Action dated May 9, 2008, pertaining to Application No. 11/002,573, 17 pages
	VS	Bromberg & Sunstein LLP	Amendment dated August 12, 2008, pertaining to Application No. 11/002,573, 25 pages
	VT	United States Patent and Trademark Office	Supplemental Notice of Allowability dated November 28, 2008, pertaining to Application No. 11/002,573, 21 pages

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Examiner Signature: _____

Date Considered: _____

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation *if not* in conformance and not considered. Include copy of this form with next communication to applicant.

Section 6. Copies of Listed Information Items Accompanying This Statement

NOTE: 37 C.F.R. section 1.98(a)(2) requires that any information disclosure statement filed under section 1.97 shall include: "A legible copy of: (i) Each foreign patent; (ii) Each publication or that portion which caused it to be listed, other than U.S. patents and U.S. patent application publications unless required by the Office; (iii) For each cited pending unpublished U.S. application, the application specification including the claims, and any drawing of the application, or that portion of the application which caused it to be listed including any claims directed to that portion; and (iv) All other information or that portion which caused it to be listed."

Legible copies of all items listed in Forms PTO/SB/08A and 08B (substitute for Form PTO-1449) accompany this information statement.

(complete the following, if applicable)

☒ Exception(s) to above:

Copies of cited U.S. patents and U.S. patent application publications are not included, as the Office has not required them.

Copies of cited pending unpublished U.S. applications that are available in the USPTO's IFW system are not included. See *Waiver of the Copy Requirement in 37 CFR 1.98 for Cited Pending U.S. Patent Applications*, 1287 O.G. 163 (Oct. 19, 2004).

☐ Items in prior application, from which an earlier filing date is claimed for this application, as identified in Section 4.

☐ Cumulative patents or publications identified in Section 5.

Section 8. Translation(s) of Non-English Language Documents

NOTE: "If a written English language translation of a non-English language document, or portion thereof, is within the possession, custody or control of, or is readily available to any individual designated in section 1.56(c), a copy of the translation shall accompany the statement." 37 C.F.R. section 1.98(c).

NOTE: "The Office does not intend to require translations unless they have been reduced to writing and are actually translations of what is contained in the non-English language information. Applicants should note, however, that most examiners do not have the ability to understand information which is not in English and that the Office will not routinely translate information submitted in a non-English language. The examiner will consider the information insofar as it is understood on its face, e.g., drawings, chemical formulas, English language abstracts, but will not have the information translated unless it appears to be necessary to do so. Applicants are required to aid the examiner by complying with the requirements for a concise explanation in section 1.98(a)(3) for information submitted in a non-English language." Notice of January 9, 1992, 1135 O.G. 13-25, at 21.

NOTE: "The examiner will indicate that the non-English language information has been considered in the same manner as consideration is indicated for information submitted in English." Notice of April 20, 1992 (1138 O.G. 37-41, 41).

[x] Submitted herewith is an English translation of the following foreign language patents, publications or information or of those portions of those patents, publications or information considered to be material:

Reference NS is an abstract in the English language of Reference NR.
Reference NU is an abstract in the English language of Reference NT.
Reference NW is an abstract in the English language of Reference NV.
Reference NY is an abstract in the English language of Reference NX.
Reference OA is an abstract in the English language of Reference NZ.
Reference OC is an abstract in the English language of Reference OB.
Reference OE is an abstract in the English language of Reference OD.
Reference GP is believed to be a US counterpart in the English language of Reference OF.
Reference OH is an abstract in the English language of Reference OG.
Reference OJ is an abstract in the English language of Reference OI.
Reference OL is an abstract in the English language of Reference OK.
Reference ON is an abstract in the English language of Reference OM.
Reference OP is an abstract in the English language of Reference OO.
Reference OR is an abstract in the English language of Reference OQ.
Reference OX is believed to be a translation in the English language of Reference OW.
Reference PB is an abstract in the English language of Reference PA.
Reference PM is believed to be a translation in the English language of Reference PL.
Reference PZ is believed to be a translation in the English language of Reference PY.

[x] No English language translations of the foreign language patents, publications or information or parts thereof are readily available, except for those listed above.

[] The following foreign language documents submitted are believed to be the equivalent or substantial equivalent of the English language documents identified below, which are also submitted herewith.

Section 10. Identification of Person(s) Making This Information Disclosure Statement

The person making this certification is

(check each applicable item)

- (a) ☐ the inventor(s) who signs below

SIGNATURE OF INVENTOR

(type name of inventor who is signing)

- (b) ☐ an individual associated with the filing and prosecution of this application (37 C.F.R. section 1.56(c))

SIGNATURE OF INVENTOR

(type name of inventor who is signing)

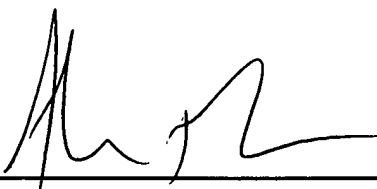
- (c) ☒ the practitioner who signs below on the basis of the information:

(check each applicable item)

☐ supplied by the inventor(s).

☐ supplied by an individual associated with the filing and prosecution of this application. (37 C.F.R. section 1.56(c)).

☒ in the practitioner's file.



SIGNATURE OF PRACTITIONER

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